Yangzhou Shenzhou Wind-driven Generator Co.,Ltd

M-300 wind turbine system

YANGZHOU SHENZHOU WIND-DRIVEN GENERATOR CO., LTD

Address: xinhe industrial park, xiannv town, jiangdu city, Jiangsu province

Post code: 225267

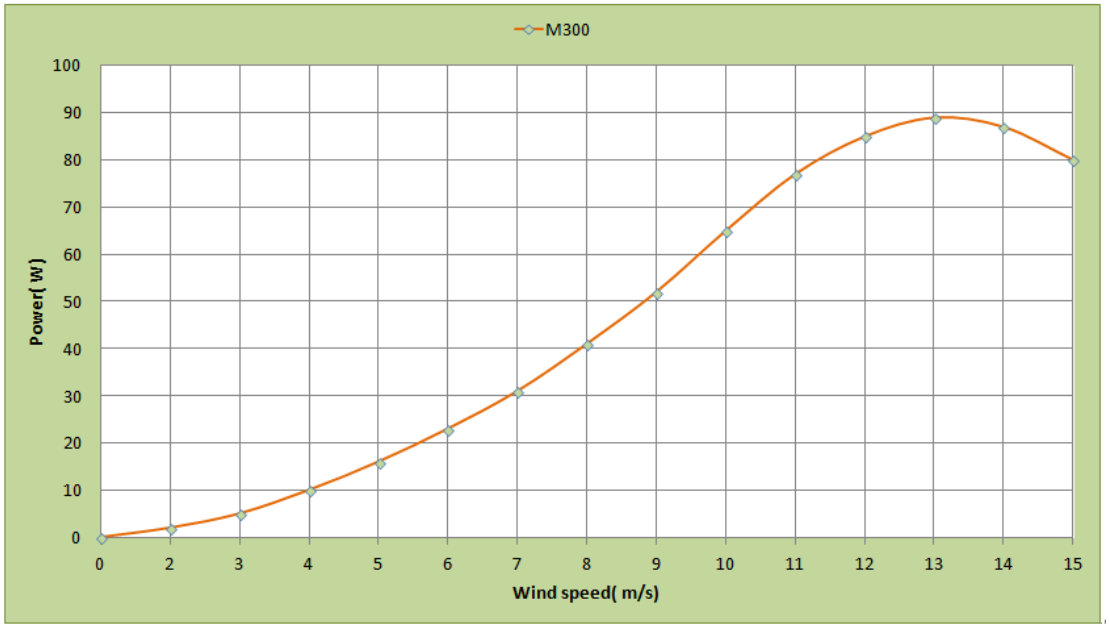
Tel: +86-514-86290068 Fax: +86-514-86290873

Web: www.f-n.cn

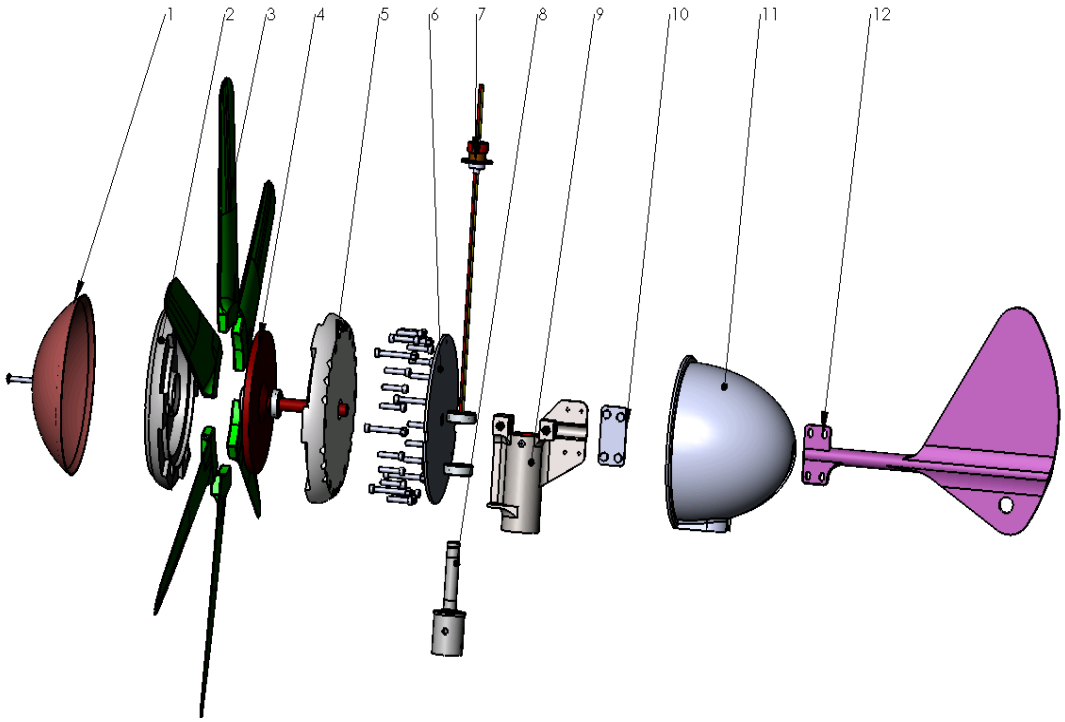
1. Technical Parameter

Model	**M-300**
Brand	GUANGMANG
Rated Voltage（DCV）	12
Rated output（W）	80
Start-up wind speed （M/S）	1.5
Survival wind speed（M/S）	45
Generator type	PMG
Rotor diameter（M）	0.82
Blade No.	6
Blade material	Reinforced fiber glass
Nacelle material	Reinforced fiber glass
Controller	Built-in
Protection mode	Short circuit
Lifetime（years）	15
Packing form	Plywood or carton
Package size（mm）	470*410*330
Gross weight（kg）	9

2. Power Curve



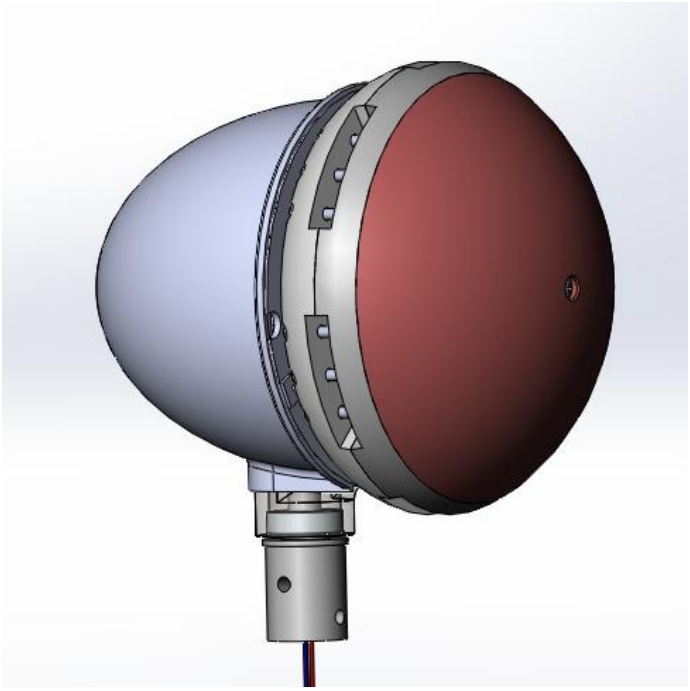
3. Structure



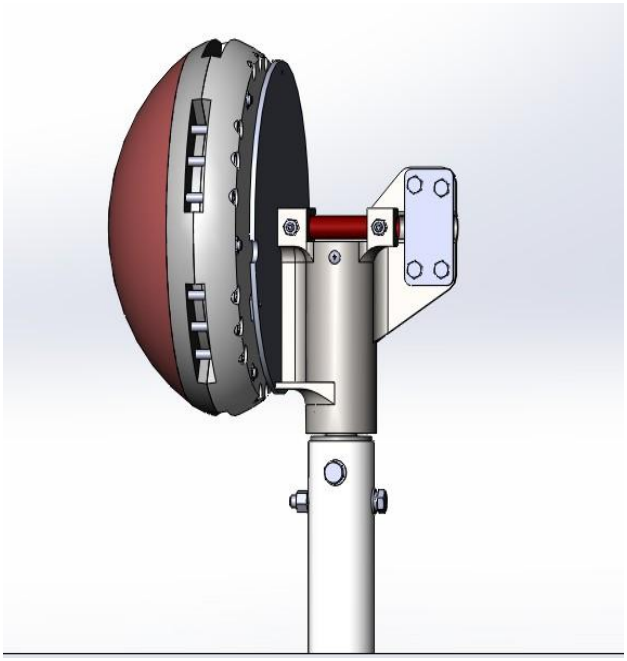
No.	Description	No.	Description
1	Nose cone	7	Slip ring
2	Front cover	8	Gyro support
3	Blades	9	Gyro
4	Stator	10	Pressing plate
5	Back cover	11	Back nose cone
6	Clamp	12	Tail vane

4. Installation

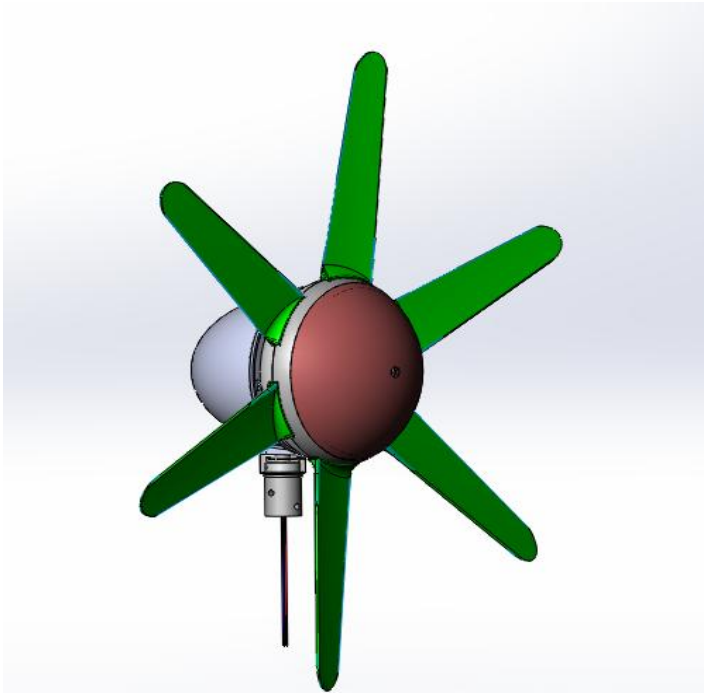
- Connect the cables with the terminal from generator. Please pay attention to the positive and negative. The cable will be elicited from the tower center.



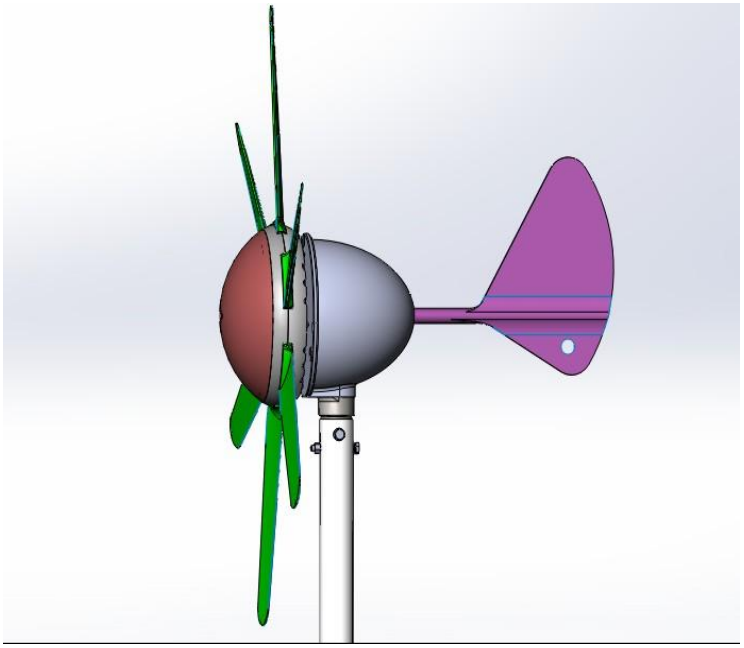
- Install the generator set to the tower with 4pcs bolts (M 10*16).



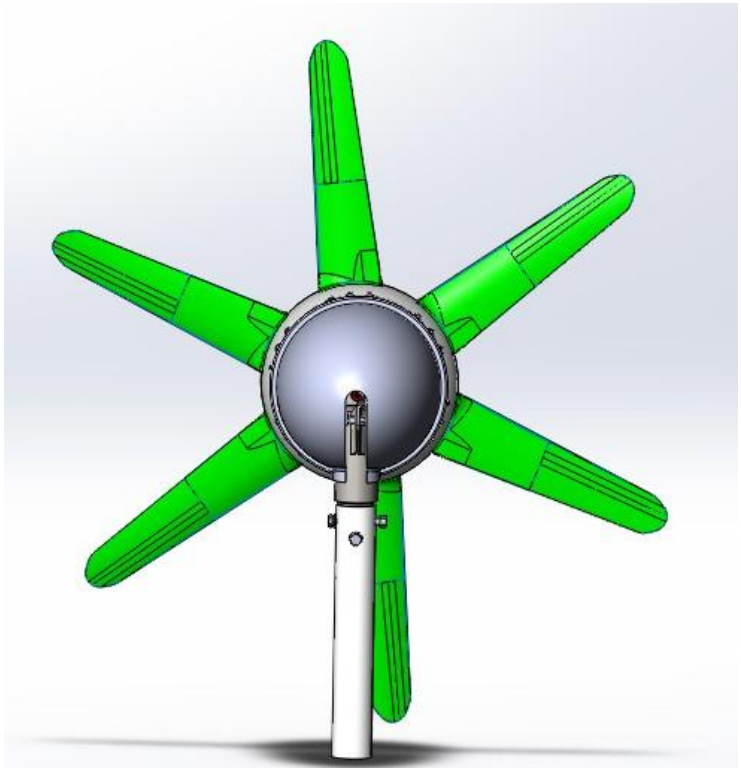
- Install the blades to the generator with 18 pieces of bolts(M6*28).



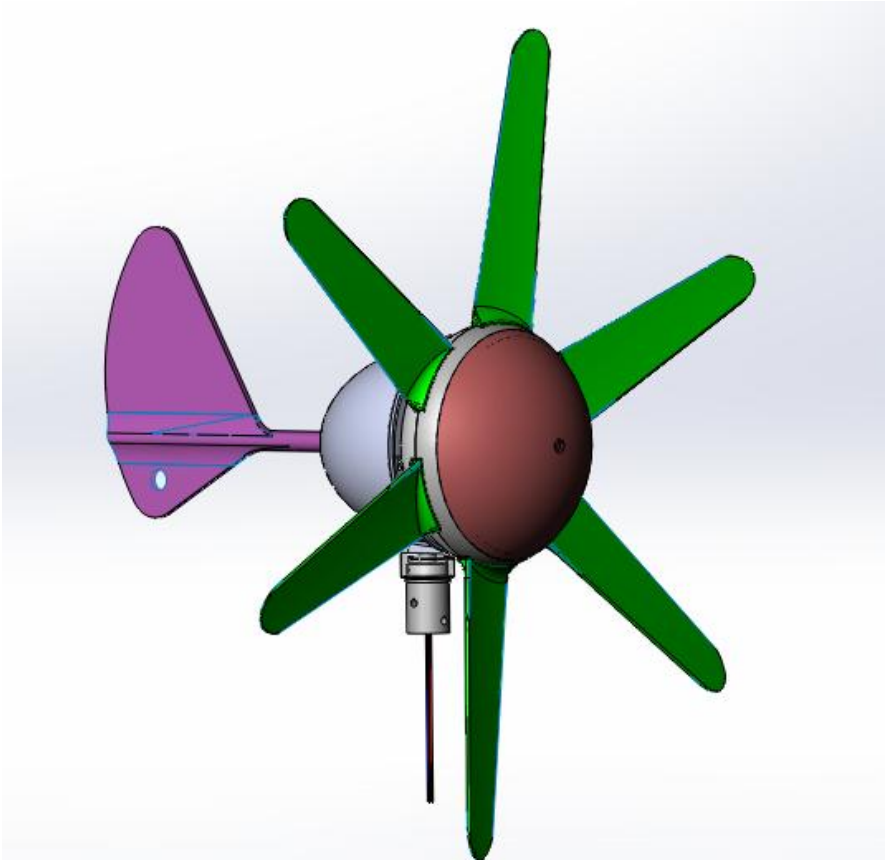
- Fasten the tail rod, rod plate and gyrator with 4 pieces of bolts (M6*30).



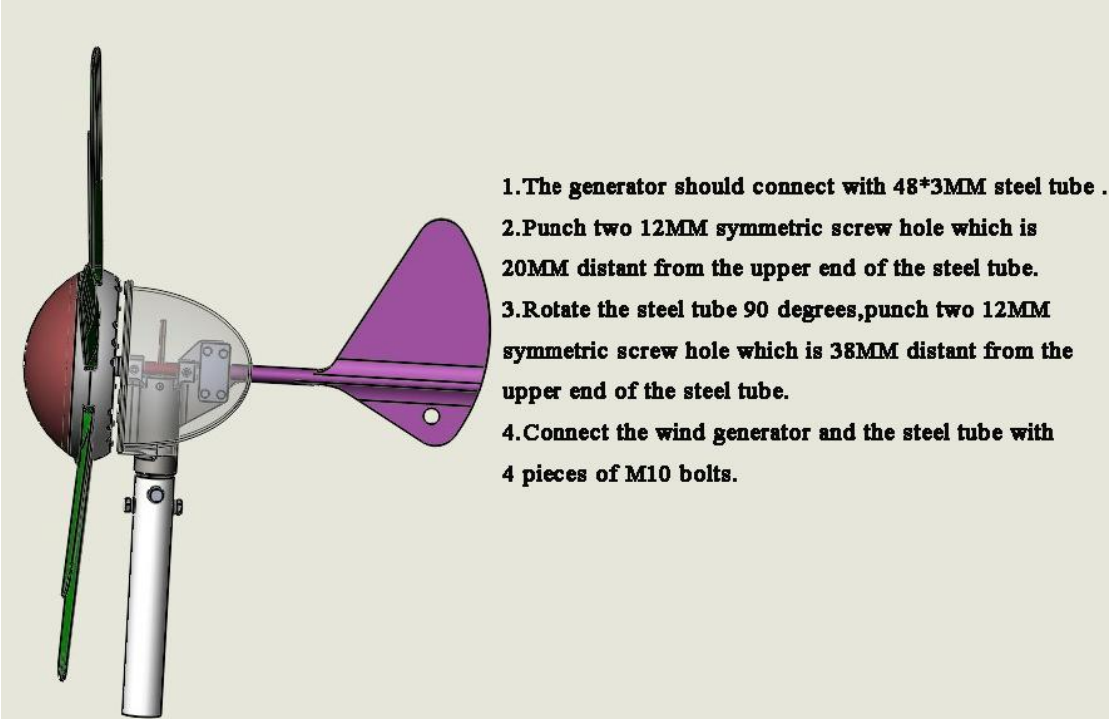
- Fasten the gyrator front cover to the back cover via three pieces of bolts (M5*10).



- Connect the cable elicited from generator to the battery bank.



Connection


1.The generator should connect with 48*3MM steel tube .
2.Punch two 12MM symmetric screw hole which is 20MM distant from the upper end of the steel tube.
3.Rotate the steel tube 90 degrees,punch two 12MM symmetric screw hole which is 38MM distant from the upper end of the steel tube.
4.Connect the wind generator and the steel tube with 4 pieces of M10 bolts.

Cautions

1. **Thank you for purchasing the M series wind turbine systems. Please refer to the manual before installation and keep it properly;**
2. **The installation should be done by the experienced technical person. Please refer to the manual strictly;**
3. **Please do not open the generator and controller system doing the maintenance without notice or instructions.**
4. **Please install the system under no wind weather.**